



U.S. Department of Energy
Energy Efficiency
and Renewable Energy



2007 Clean Cities Joint Regional Peer Exchange

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National Renewable Energy Laboratory

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Who Is NREL?

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Carol Darrow

Susie Jones

Caley Johnson

Heather White

Ann Brennan



What's New

- New Websites in September
 - Connection is clearer
 - Clean Cities site changes (mockup)
 - Yes, we will have a web cast
- Standard Reports for each coalitions
- Partnerships
- Analysis work
- Geographic mapping
- How to learn from each other regularly



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New Web sites

EERE Hits 1,636,000

AFDC Homepage 762,000

Consumer 319,000 Solar Decathlon 249,000

CC site is more focused on programmatic information

- Process for redesign**
- Connection is clearer**
- Mockup**
- Web cast in late August**
 - Find out where do you link to CC/AFDC**
- Refuel interface will change**



Clean Cities

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- [NEWS](#)
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[Sign Up Today](#) **Clean Cities Now**
Your **news** is now only a click away

The Clean Cities Program strives to advance the nation's economic, environmental, and energy security by supporting local decisions to adopt practices that contribute to the reduction of petroleum consumption. Clean Cities has a network of approximately 90 volunteer coalitions, which develop public/private partnerships to promote alternative fuels and advanced vehicles, fuel blends, fuel economy, hybrid vehicles, and idle reduction.

Clean Cities is part of the Office of Energy Efficiency and Renewable Energy's [FreedomCAR & Vehicle Technologies Program](#).

Select Coalition-Related Information

- [Starting Coalitions](#)
- [Coalition Locations](#)
- [Program Contacts](#)
- [Coordinator Contacts](#)



Built by Clean Cities



Petroleum Reduction Tools & Information

[Alternative Fuels and Advanced Vehicles Data Center \(AFDC\)](#): This Web site educates consumers and fleets on alternative fuels and advanced vehicles.



[Fuel Economy.gov](#): This Web site compares gas mileage, emissions, air pollution ratings, and safety data for new and used vehicles.



[Clean Cities Now](#): This quarterly newsletter addresses industry news, coalition successes, and program information.



Coordinator Toolbox

[Coordinator Toolbox](#): This subsite helps coordinators develop strong coalitions, promote partnerships, and facilitate activities.

[Webmaster](#) | [Security & Privacy](#) | [EERE Home](#)

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Content Last Updated 06/04/07



Alternative Fuels and Advanced Vehicle Data Center

[About AFDC](#) | [Fuels](#) | [Vehicles](#) | [Fleets](#) | [Incentives & Laws](#) | [Data & Analysis](#) | [Information Resources](#)



The Alternative Fuels and Advanced Vehicles Data Center (AFDC), formerly known as the Alternative Fuels Data Center, has expanded its breadth and depth of information to include alternative fuels (as defined by the [Energy Policy Act](#) of 1992), other advanced fuels, advanced vehicle technologies, and petroleum reduction strategies.

This site is managed by the U.S. Department of Energy's [Clean Cities](#) Program.



Our [Data, Analyses, and Trends](#) section provides industry trends and facts based on data analysis.



Alternative Fuel Portals

- [Biodiesel](#)
- [Electricity](#)
- [Ethanol](#)
- [Hydrogen](#)
- [Natural Gas](#)
- [Propane](#)

[More Fuels Information >](#)



Select Vehicle Information

- [Conversions](#)
- [Emissions](#)
- [Fuel Economy](#)
- [Flexible Fuel Vehicles](#)
- [Hybrid Electric Vehicles](#)
- [Idle Reduction](#)

[More Vehicle Information >](#)



Quick Links to AFDC Tools

- [Vehicle Make and Model Search](#)
- [Fueling Stations](#)
- [Incentives & Laws](#)
- [Publications Search](#)

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**UL E85 Fuel
Dispenser Listing**

**E85 Fleet
Toolkit**

fueleconomy.gov

**Alternative
Fuel Station
Locator**

**Biomass
Program**

Alternative Fuels Data Center

Alternative Fuel Station Locator

The Alternative Fuel Station Locator can search our database of refueling stations for the entire country to find stations offering alternative fuels. To begin your search, simply follow these steps:

- Select a Fuel Type from the pull-down menu
- Insert a search radius (25 miles is the default-radius is not used in State search)
- Select Search From point: Address, City, State, or Zip Code
- Enter address, city and/or state, or zip code
- Click the Search button

[Detailed Instructions](#)

[Methodology](#)

| | |
|---|---|
| <input type="text" value="—Please Select a Fuel—"/> | <input type="text" value="Stations Within Radius (Miles): 25"/> |
| Location To Search From: | |
| Search From: | <input type="text" value="City"/> |
| City: | <input type="text"/> |
| State: | <input type="text" value="Select A State"/> |
| <input type="button" value="Search"/> | |

[Help](#) [New Station Search](#) [New Route](#)

This page is dynamically generated. If you're using a specialized screen reader and having difficulty understanding the page content, please contact the [EERE Information Center](#). They will be able to assist you.

 For best functionality of this site, we recommend using Microsoft Internet Explorer 5 or higher, with java enabled. If you experience problems with this site, contact the [Webmaster](#).

Alternative Fuels Data Center

| | | | | | | | |
|--------------------------------|-----------------------|--------------------------|--|------------------------------|---------------------------------------|---------------------------------------|----------------------|
| About the AFDC | Fuels | Vehicles | Fueling & Infrastructure | Applications | Incentives & Laws | Information Resources | Home |
|--------------------------------|-----------------------|--------------------------|--|------------------------------|---------------------------------------|---------------------------------------|----------------------|

Information Resources

Search

[Search Help](#) ▶ [More Search Options](#) ▶

[Site Map](#)
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 Print Technology Bulletin

Publications

Document Database

Clean Cities Now

Technology Bulletin

Alternative Fuel

Price Report

Periodicals

Clean Fleet Guide

Frequently Asked Questions About Alternative Fuels

Industry Contacts

Training

Emissions Tools

Education Resources

Vehicle & Fuel Statistics

Associations & Organizations

Related Links

Glossary

Toolkits

Data Methodologies



Underwriters Laboratories E85 Fuel Dispenser Listing

Triggered by the need to establish comprehensive safety requirements for an entire E85 dispenser system, Underwriters Laboratory (UL) in October 2006 suspended their official listings (certification) for individual parts that compose an E85 fuel dispenser. Since then, UL has been working with the U.S. Department of Energy (DOE) and other stakeholders to develop listing procedures for evaluating and certifying E85 equipment. This technology bulletin offers an overview of this action, including background, timeline, and contact information.

- [Background](#)
- [Current Underwriter Laboratories Actions and Timeline](#)
- [Fire Codes for Fuel Dispensers](#)
- [Interim Steps to Continue Deployment and Use of E85 Fuel Dispensers](#)
- [Examples of State Letters Granting Variances/Waivers](#)
- [Contact Information and Related Links](#)
- [Frequently Asked Questions](#)

Recent Updates

- [New Q&A Added](#)
- [May 2007 UL News Updates](#)

Some of the documents on this page are in PDF format and may be viewed using the Adobe Reader. [Download Adobe Reader.](#)

Background

In May 2006, an E85 dispenser manufacturer approached UL with the first request to certify an E85 dispenser. At that time, no safety standards or testing protocols for E85 dispensing

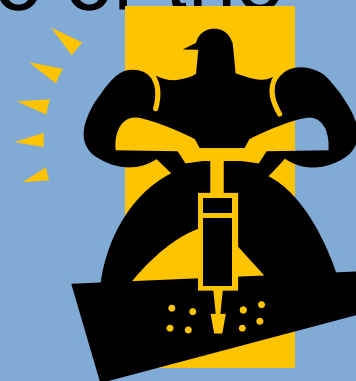




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Ask your toughest questions to me or the
Technical Response Service.



Feeds into larger picture of web content,
web casts, success stories, technology
bulletins,





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Summary Information from Annual Reports

Petroleum Displacement by fuel – pie chart

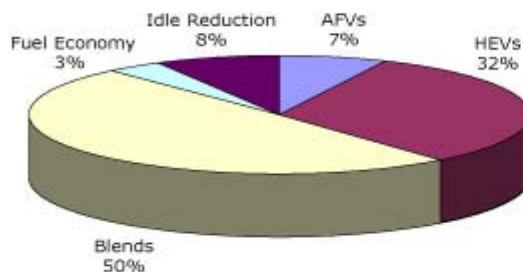
Historical Trends – GGE's displaced by
portfolio element - bar graph

Vehicle inventory growth
for the year and in a comparative bar graph for 3
year series



2006 Annual Report Results — Denver Clean Cities Coalition

Petroleum Displaced by Vicky's Coalition



Historical Trend



This information is derived from the input provided by the coalition on the Clean Cities Annual Questionnaire. For more information about this coalition's achievements, contact the Clean Cities coordinator: Vicky Putsche, 303.275.4426



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Partnerships

- **Federal Fleets Program**
 - Recent EO**
 - Alternative Compliance**
 - Mapping fleets**
 - Information on tax credits**
 - Communication method for new stations**



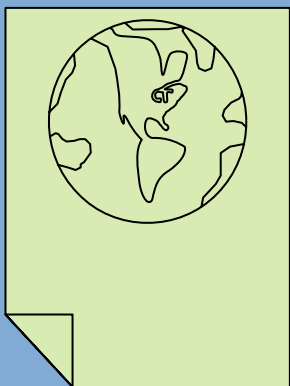
Partnerships

NBB, ProMiles, XM

- **EPIC, fact sheets, web interface**
- **Mines – who is interested? Doing work?**
- **Refuel Data**
 - **Mapquest, Yahoo, generic sites**
 - **Requests for refuel data are frequent**



More Analysis Work



- Polk Data on AFVs
 - Defining corridor work
- Federal fleet mapping
- New fuels like biobutanol
(think SVO)
- Geographic mapping capability
 - New map on web site
 - Overlaying data sets



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New UL Issues in your state – waivers/variances

Web cast ideas –

Biodiesel from trap grease, thanks Brinda

New web site tour

Next is July 12th – NGV's in Short Haul
Delivery Market

Looking Back - Excise taxes, Roush Propane Truck &
BBird School bus, UL issue, FFV Conversions



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Merit Review Results

“Doing good work but spreading ourselves too thin”

What goes?

Communicate about what's valuable and what is not.



Databases

- Laws and Incentives
- Refueling Sites
- Light duty vehicles
- Email list serv
- Caller database
- Related links combining with
- Industry contacts
- Coming Events **
- What's New
- Heavy duty chassis and engine
- Truck Stop Electrification sites

Financial Opportunities
Success Stories
Documents
Fuel Properties
Geographic areas



What's Working

- Fact Sheet – one from each coalition
- Vehicle Template
- Template Presentations
- More printing (HUG, Fact Sheet)
- Keeping refuel data up to date
- Decals – useful?
- FOTW & general use statistics
- How can we assist you in learning from each other?
 - Maintenance? List server working?